M 5.7, 41 km ENE of Los Andes, Chile

Origin Time: 2021-11-03 03:17:48 UTC (Wed 00:17:48 local)
Location: 32.7206° S 70.1720° W Depth: 110.7 km

PAGER
Version 4

Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.
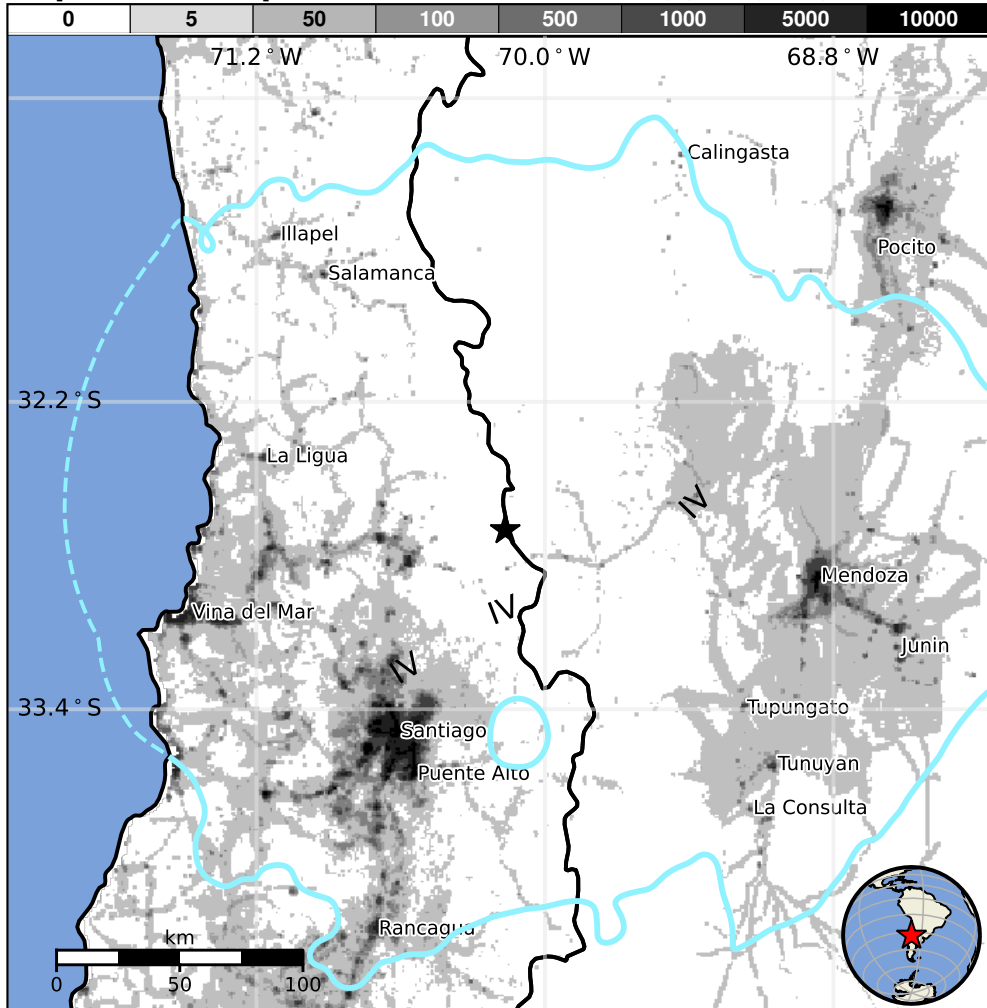
Estimated Economic Losses

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	1,025k*	11,562k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

| 0 | 5 | 50 | 100 | 500 | 1000 | 5000 | 10000 |

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1975-03-13	333	6.9	VIII(266k)	2
1985-01-26	153	5.9	VIII(38k)	6
1985-03-03	155	7.9	VII(5,319k)	177

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Los Andes	57k
IV	San Felipe	59k
IV	Chicureo Abajo	18k
IV	Llaillay	17k
IV	Lampa	29k
IV	Paine	33k
IV	**Mendoza**	**877k**
IV	**Santiago**	**4,837k**
IV	**Rancagua**	**213k**
IV	Valparaiso	282k
III	San Juan	447k

bold cities appear on map.   (k = x1000)